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(54) ORGANIC ELECTROMULINESCENCE ELEMENT AND MANUFACTURE OF THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To improve light output efficiency to obtain high efficiency by providing one of anode and cathode electrodes with an inclined face, and forming a plurality of holes on an electrode opposite to the electrode having the inclined face.

SOLUTION: The light generated by a luminous layer 3 is reflected by an interface between the luminous layer 3 and a cathode 4 by mounting the cathode 4 comprising an inclined face, and converged in the direction of a base 1 by the action similar to a concave mirror. As the result, the component totally reflected by a base face, or the component outgoing in the horizontal direction to the base face among the luminescence from the area nipped by both electrodes, can be reflected in the vertical direction of the base face. Accordingly the impossibility of the taking-out of the light caused by the full-reflection can be prevented. By providing an anode 2 opposite to the cathode 4 having the inclined face, with a plurality of holes, the counter electrode (cathode) having the inclined face to the luminous layer 3 can be easily formed. That is, the dents are generated on the luminous layer 3 and the cathode 4 corresponding to the holes, and the inclined face can be naturally formed.



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